

1 **Amendment to the Claims**

2 **In the Claims:**

3 Please amend Claims 1, 6, 12, 18, 22, 24, and 31 as follows:

4 1. (Twice Amended) A method for inserting an image into a document stored in a
5 memory of a computer, comprising the steps of:

6 (a) making an image source device active with an application program used to
7 create a text content of said document, wherein the image source device is in communication
8 with a the computer and the computer is executing an the application program used to create a
9 text content of said document;

10 (b) acquiring an image using the image source device that is active and under
11 control of the application program; and

12 (c) ~~inserting~~ communicating data representing said image from the image
13 source device into the memory of the computer said document so that the data representing said
14 image appears in the document and comprises a portion of the document stored in the memory of
15 the computer, all without saving said data ~~in other than a temporary buffer~~ to any permanent file
16 prior to communicating the data into the document stored within the memory of the computer.

17 2. (Original) The method of claim 1, further comprising the steps of:

18 (a) creating a list of all image source devices in communication with the
19 computer; and

20 (b) enabling a user to select the image source device that is active from the
21 list.

22 3. (Original) The method of claim 1, wherein the active image source device comprises
23 one of a scanner and a digital camera.

24 4. (Original) The method of claim 1, wherein the step of acquiring the image comprises
25 the step of scanning a graphic source that has defined edges, further comprising the steps of
26 automatically detecting the edges of the graphic source, and cropping the image at the edges of
27 the graphic source to exclude any portion of a scanned field beyond the edges of the graphic
28 source from the image represented by the data inserted into the document.

29 5. (Original) The method of claim 1, further comprising the step of converting the data
30 representing the image into a compressed format prior to inserting the data into the document.

1 6. (Amended) The method of claim 1, further including the steps of:

2 (a) selecting at least one image enhancement criterion from within the
3 application program; and

4 (b) enhancing said captured image based on said image enhancement
5 criterion, prior to inserting said data representing the image into said document.

6 7. (Original) The method of claim 6, wherein the image enhancement criterion is a
7 contrast level of the image that is adjusted to enhance a brightness of the image within the
8 document.

9 8. (Original) The method of claim 6, wherein the image enhancement criterion is a
10 color level of the image that is adjusted to enhance a color relationship of the image inserted
11 within the document, based on a gamma correction algorithm.

12 9. (Original) The method of claim 1, further comprising the step of the application
13 program negotiating with the image source device that is active to determine a set of image
14 capture parameters that control said image source device when acquiring the image.

15 10. (Original) The method of claim 9, further comprising the step of determining a set of
16 capabilities of the image source device that is active, wherein the set of image capture parameters
17 are negotiated based in part on the capabilities of said image source device.

18 11. (Original) The method of claim 10, wherein a set of capabilities are associated with
19 the image source devices connected with the computer and are stored in an operating system
20 registry.

21 12. (Amended) The method of claim 1, further comprising the step of determining from
22 within the application program whether the image source device that is active is able to perform
23 an automatic image scan, wherein the automatic image scan comprises the steps of capturing an
24 image of a graphic source with said image source device and inserting the data representing the
25 image into the document, all without requiring a user to select image capture parameters.

26 13. (Original) The method of claim 12, wherein the image source device that is active
27 has an X resolution and a Y resolution and includes a driver that provides a user interface for
28 selecting image capture parameters, the step of determining if said image source device can
29 perform the automatic image scan comprises the steps of:

30 (a) confirming that said image source device can control its X resolution;

1 (b) confirming that said image source device can control its Y resolution; and
2 (c) confirming that the user interface of said image source device can be
3 bypassed, wherein an affirmative answer to all of the steps of confirming indicates that said
4 image source device can perform the automatic image scan.

5 14. (Original) The method of claim 12, wherein the step of determining if said image
6 source device can perform the automatic image scan comprises the steps of:

7 (a) setting an error flag;
8 (b) attempting to perform an automatic image scan;
9 (c) clearing the error flag if the automatic image scan is successful; and
10 (d) evaluating the error flag during a subsequent use of the image source
11 device, whereby if the error flag has not been cleared, the image source device cannot perform an
12 automatic image scan.

13 15. (Original) The method of claim 12, wherein if it is determined that said image source
14 device can perform an automatic image scan, enabling a user of the application program to
15 selectively cause the image to be acquired and the data representing the image to be inserted into
16 the document, all with a single user control selection.

17 16. (Original) A computer-readable medium having computer-executable instructions for
18 performing the steps recited in claim 1.

19 17. (Original) A computer-readable medium having computer-executable instructions for
20 performing the steps recited in claim 12.

21 18. (Twice Amended) A method for inserting a plurality of images into a document
22 stored in a memory of a computer, comprising the steps of:

23 (a) enabling an image source device user interface ~~with~~ from within an
24 application program used to create a text content of the document, ~~and wherein the application~~
25 program is running on a the computer that is in communication with an image source device, that
26 stores said image source device acquiring multiple images and storing image source data
27 comprising representing the multiple images, wherein the image source device user interface
28 provides a selection scheme within the application program for selecting a plurality ~~of the stored~~
29 multiple images of the images stored in the image source device for insertion into the document;

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1 (b) enabling a user to use the selection scheme of the image source device
2 user interface from within the application program to select a the plurality of images to be
3 inserted into the document;

4 (c) transferring data representing the ~~selected~~ images selected from the image
5 source device, to the memory of the computer;

6 (d) converting said data representing the selected image into a compressed
7 format unless said data are already in the compressed format; and

8 (e) inserting said ~~compressed-format~~ image data in the compressed format into
9 the document stored in the memory of a computer so that the document includes the plurality of
10 images without saving said image data in the compressed format to any permanent file prior to
11 inserting the image data in the compressed format into the document stored in the memory of the
12 computer.

13 19. (Original) The method of claim 18, wherein the application program is a word
14 processing application, and the plurality of images are inserted into the document as a plurality of
15 tiled images.

16 20. (Original) The method of claim 18, wherein the application program is a spreadsheet
17 application that produces a spreadsheet document, and the plurality of inserted images are
18 inserted into the spreadsheet document as a plurality of cascaded images.

19 21. (Original) The method of claim 18, wherein the application program is a presentation
20 design application, and the plurality of inserted images are inserted into a presentation document
21 as a plurality of individual slides.

22 22. (Amended) The method of claim 18, further including the step of performing a
23 postprocessing modification to said data from within the application program to enhance a
24 quality of the plurality of images.

25 23. (Original) A computer-readable medium having computer-executable instructions for
26 performing the steps recited in claim 18.

27 24. (Twice Amended) A system for inserting an image into a document, comprising:

28 (a) a computer having a memory and a processor, the memory storing:

29 (i) machine instructions that are executable on the processor; and

30 (ii) the document;

1 (b) an application program comprising the machine instructions that are stored
2 in the ~~computer~~ memory, a text content of said application program having been used to create
3 the document being editable using the application program;

4 (c) an image acquisition device connected in communication with the
5 computer, ~~and providing to provide~~ image data representing an image to the computer;

6 (d) a source driver module comprising computer-executable instructions
7 stored in the memory and in communication with the image acquisition device so as to control
8 acquisition of an image ~~from~~ by the image acquisition device for transfer as the image data, into
9 the memory of the computer;

10 (e) a source manager module comprising computer-executable instructions
11 stored in the memory and in communication with the source driver module, the source manager
12 module providing commands to the source driver module to acquire an image ~~from~~ using the
13 image acquisition device; and

14 (f) an interface module comprising computer-executable instructions stored in
15 the memory and in communication with the source manager module and under control of the
16 application program, the interface module providing commands to the source manager to acquire
17 an image ~~from~~ using the image acquisition device, the interface module inserting the image data
18 representing the image being inserted into the document that is stored in the memory of a
19 computer without saving said image data to any permanent file prior to inserting the image data
20 into the document stored in the memory of the computer.

21 25. (Original) The system of claim 24, wherein the application program is a word
22 processing application.

23 26. (Original) The system of claim 24, wherein the application program is a spreadsheet
24 application.

25 27. (Original) The system of claim 24, wherein the application program is a presentation
26 design application.

27 28. (Original) The system of claim 24, wherein the source manager module complies
28 with the TWAIN communication specification.

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1 29. (Original) The system of claim 24, wherein the application program is able to request
2 the interface module to acquire an image by issuing a single procedure call to the interface
3 module.

4 30. (Original) The system of claim 24, wherein the application program provides a user
5 interface that enables a user to acquire an image from the image acquisition device and insert the
6 data representing the image into the application program document by selecting a single
7 application menu option and performing a single subsequent user action.

8 31. (Amended) The system of claim 24, wherein the interface module comprises
9 additional computer-executable instructions for enhancing the quality of the captured image from
10 within the application program, the captured image quality being enhanced prior to inserting the
11 data representing the image into the application program document.

12 32. (Original) The system of claim 24, wherein the image is acquired by scanning a
13 graphic source that has edges, and the interface module comprises additional computer-
14 executable instructions for detecting the edges of the graphic source so as to automatically crop a
15 scanned field to include only the portion of the scanned field included within the graphic source
16 in the image, the image being so cropped prior to the data representing the image being inserted
17 into the document.

18 33. (Original) The system of claim 24, wherein the interface module comprises
19 additional computer-executable instructions for converting the data representing the image into a
20 compressed format, said data being converted into the compressed format prior to being inserted
21 into the document.

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